

INTERNATIONAL SEARCH REPORT

Interna Location No

PCT/IB

02728

520189

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G11B23/087 G11B23/00 G11B23/03 G11B27/11 G06F1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 93 00680 A (SIEMENS NIXDORF INF SYST) 7 January 1993 (1993-01-07) page 7, paragraph 2 -page 8, paragraph 2; figures 1-3 ---	1-5
Y	US 6 044 046 A (DIEZMANN NILS ET AL) 28 March 2000 (2000-03-28) the whole document ---	1-5
Y	US 5 971 281 A (LEONHARDT MICHAEL L ET AL) 26 October 1999 (1999-10-26) column 5, line 10 -column 6, line 43; figures 4-6 ---	1-5
X	EP 0 251 210 A (MEDIA SECURITY INC AND ASSOCIA) 7 January 1988 (1988-01-07) column 5, line 26 -column 6, line 14 --- -/--	1



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

30 September 2003

Date of mailing of the international search report

09/10/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Sozzi, R

INTERNATIONAL SEARCH REPORT

Internati — Application No

PCT/IB 02728

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	FR 2 762 429 A (ORDICAM) 23 October 1998 (1998-10-23) page 4, line 10 -page 5, line 5; figures 1-5 ---	1-5
A	WO 00 10122 A (3M INNOVATIVE PROPERTIES CO) 24 February 2000 (2000-02-24) page 18, line 18 -page 20, line 19; figure 9 -----	1-5

INTERNATIONAL SEARCH REPORT

International patent family members

International Publication No

PCT/IB 02728

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9300680	A	07-01-1993	WO 9300680 A1	07-01-1993
US 6044046	A	28-03-2000	DE 19616819 A1	30-10-1997
			AT 216120 T	15-04-2002
			AU 2767497 A	19-11-1997
			DE 59706971 D1	16-05-2002
			DK 895637 T3	01-07-2002
			WO 9741562 A1	06-11-1997
			EP 0895637 A1	10-02-1999
			ES 2175403 T3	16-11-2002
			JP 2000509541 T	25-07-2000
			PT 895637 T	30-09-2002
US 5971281	A	26-10-1999	NONE	
EP 0251210	A	07-01-1988	US 4794470 A	27-12-1988
			CA 1286401 C	16-07-1991
			DE 3773545 D1	14-11-1991
			EP 0251210 A1	07-01-1988
			JP 63066783 A	25-03-1988
FR 2762429	A	23-10-1998	FR 2762429 A1	23-10-1998
WO 0010122	A	24-02-2000	AU 5469099 A	06-03-2000
			BR 9913043 A	08-05-2001
			CA 2338522 A1	24-02-2000
			CN 1312927 T	12-09-2001
			DE 1145189 T1	18-04-2002
			EP 1145189 A2	17-10-2001
			ES 2167290 T1	16-05-2002
			JP 2002522849 T	23-07-2002
			WO 0010122 A2	24-02-2000

BEST AVAILABLE COPY